This listing of claims will replace all prior versions and listings of claims in the application:

## **Listing of Claims**

1. (currently amended) Spring device for a vehicle seat, in particular a utility vehicle seat having comprising at least one air spring arranged between a seat part and a lower part for the height adjustment (5) of the seat part and having a control device for controlling the supply and discharge of at least one additional air volume to or from the air spring,

characterized in that

wherein at a selectable run in and/or run out position (8, 9) of the air spring, the additional an air volume [[that]] can be supplied or discharged can be changed or switched off by means under control of the control device such that inclines in the profile of a force-path air spring characteristic (1; 1a, 1b, 1c) of the air spring in a first and in at least one further range (2, 3, 4) are different from one another.

2. (original) Spring device according to Claim 1,

characterized in that

in the range (3, 4) of the force-path air spring characteristic (1; 1a, 1b, 1c) the vibration-damping additional air volume that can be supplied or discharged is greater or smaller than in the first range (2) or is completely switched off.

(original) Spring device according to Claim 1,
 characterized in that

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the additional air volume in the further range (3, 4) can be supplied to or discharged from the air spring in each case in a number of stages, preferably in three stages.

- 4. (original) Spring device according to Claim 1,
   c h a r a c t e r i z e d b y
   at least one pneumatic directional control valve for supplying/discharging the additional air volume(s).
- 5. (currently amended) Spring device according to Claim 1, <u>further comprising</u>

  c h a r a c t e r i z e d b y

  an adjustment device for the automatic height adjustment of the seat part at the start of a

  use operation by a user having a predefined weight by means of <u>wherein</u> air [[being]] is

  supplied to or discharged from the air spring <u>under control of the control device</u> such that
  the air spring adjusts to a central position (7) in the first range (2) of the force-path air

  spring characteristic (1; 1a, 1b, 1c).
- 6. (currently amended) Spring device according to Claim 5, <u>further comprising</u>

  c h a r a c t e r i z e d i n t h a t

  the <u>first adjustment device comprises</u> a regulator switch that is arranged in the region of

  [[the]] <u>an</u> armrest of the vehicle seat.
- (original) Spring device according to Claim 1,
   characterized in that

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the first range (2) within the force-path air spring characteristic (1; 1a, 1b, 1c) can be displaced by means of an operating device by the user and by means of the control device such that the seat part is adjusted to the desired height.

- 8. (currently amended) Spring device according to Claim 1, <u>further comprising</u>

  characterized by

  a recognition device for recognizing a user using the vehicle seat, in particular by means

  of by his weight.
- 9. (original) Spring device according to Claim 1,
  c h a r a c t e r i z e d in t h a t
  the additional air volume that can be supplied and discharged is greater than 0.1 l in the
  first range (2) of the force-path air spring characteristic (1; 1a, 1b, 1c) and is either 0.0 l
  or greater than 0.0 l in the further range.
- 10. (original) Spring device according to Claim 1,
  c h a r a c t e r i z e d b y
  recognition and switching devices (8a, 9a) for recognizing the selectable run in and run
  out positions (8, 9) of the air spring and for switching the spring device to supply and
  discharge the changeable additional air volume by means of the control device.

11. (currently amended) Method of springing a vehicle seat, in particular a utility vehicle
seat having at least one air spring arranged between a seat part and a lower part for the
height adjustment (5) of the seat part, comprising the steps of and having a control device
for automatically controlling the supply and discharge of at least one additional air
volume to or from the air spring, so that

characterized in that

when the air spring exceeds a predefinable run in and/or run out position (8, 9), the additional air volume that can be supplied or discharged is changed or switched off by means of the control device in order to change in a further range (3, 4) an incline in the profile of a force-path spring characteristic (1; 1a, 1b, 1c) with respect to a first range (2).

12. (currently amended) Method according to Claim 11, <u>further comprising the step of</u> recognizing

characterized in that

the exceeding of the predefined run in and run out position (8, 9) of the air spring is recognized by means of recognition and switching devices (8a, 9a) and the spring device is switched by means of the control device to the changeable additional air volume for the further range (3, 4).

13. (currently amended) Method according to Claim 12, wherein

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in the event of switching of the spring device, the changeable additional air volume is supplied to the air spring only when the recognition means and switching devices (8a) in a first end of travel region are activated on account of there is vibration, regularly and at a high frequency by the air spring moving in and out.

- 14. (cancelled)
- 15. (currently amended) Method according to Claim 11, wherein

characterized in that

in the event of insufficient vibration damping in the end of travel regions of the air spring with respect to a residual travel path, the changeable additional air volume is reduced towards one end of travel until a sufficient damping of the air spring is achieved without touching of the end of travel by an air spring lifting cylinder.